Stock Solution Preparation Documentation Sheet

***Preparation of Stock Ciprofloxacin for Addition to Media***

* Remove 0.5 gm (500 mg) of ciprofloxacin hydrochloride from the bottle and QS to 50 mL with distilled water. **This will give a stock concentration of 10 mg/mL**
* Mix with a stir bar and stirring plate until totally dissolved
* Filter sterilize the solution using a 0.2 µm filter
* The expiration date of the solution is indicated on the Certificate of Analysis (CoA) and/or the bottle. **Document expiration date as listed on the CoA.**
* Aliquot into sterile tubes, 5 mL samples, label as stock solution, add expiration date, and freeze at -20 ⁰C for later use.
* Diluted solution is good for 1 year frozen (if less than CoA expiration date) and 1 month thawed.

**Preparation of 10 mg/mL Ciprofloxacin Suspension:** (Follow instructions above)

*Note: The expiration date is indicated on the Certificate of Analysis and/or bottle. The diluted solution is good for 1 year frozen (if less than CoA expiration date) and 1 month thawed. Attach a copy of the CoA to this sheet.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Material** | **Source** | **Lot#** | **Expiration Date** | **Quantity Required** | **Quantity Used** |
| Ciprofloxacin Powder |  |  |  | 500 mg |  |
| Distilled Water |  |  |  | q.s. to 50 ml |  |

Prepared by Date